

Exhibits

Exhibit A Project Schedules

Exhibit B Payment Schedules

Exhibit C Price Proposal Instructions

Exhibit D Forms

Exhibit A

Project Schedules

Separate Project Schedules provided for:

Category A – Readers

Category B – TDM Transponders

Category C – Local Transponders

Exhibit A – Project Schedule Category A - Readers		
Major Milestone Description	Projected Start	Projected End
Notice to Proceed	November 14 ²⁹ , 2016	
Project Kick-Off Meeting	November 14 ²⁹ , 2016	
Documentation		
Maintenance and Repair Manual	December 2017 ²⁰¹⁶	January 2017
Interface Control Document	December 2017 ²⁰¹⁶	January 2017
Operating Documentation	December 2017 ²⁰¹⁶	January 2017
Project Planning Documentation	January 2017	
Preventive Maintenance Plan	February 2017	March 2017
RTCS Contractor Training	January 2017	
Deadline for Equipment Certifications	February 9 ²⁷ , 2017	
Factory Acceptance Test	March 2017	
Triangle Expressway		
RF Surveys	February 2017	
FCC Licensing	March 2017	
RTCS FAT Support	April 2017	
Installation Support (First Zone)	May 2017	
OIT Support (First Zone)	May 2017	
Installation and Commissioning Test Support (First Zone)	May 2017	
Installation Support (remaining Zones)	May 2017	September 2017
OIT Support (remaining Zones)	May 2017	
Installation and Commissioning Test Support	August 2017	September 2017
Go-Live	October 1, 2017	
As-Built Reviews	December 2017	
US-74		
RF Surveys	February 2017	
FCC Licensing	March 2017	
RTCS FAT Support	June 2017	July 2017
Installation Support	August 2017	September 2017
OIT Support	October 2017	November 2017
Installation and Commissioning Test Support	January 2018	February 2018
Go-Live	March 1, 2018	
As-Built Reviews	May 2018	
Monroe Expressway		
RF Surveys	March 2017	March 2017

Exhibit A – Project Schedule Category A - Readers		
Major Milestone Description	Projected Start	Projected End
FCC Licensing	April 2017	
RTCS FAT Support	March 2018	April 2018
Installation Support (Zone 7)	May 2018	June 2018
OIT Support (Zone 7)	June 2018	
Installation and Commissioning Test Support (Zone 7)	June 2018	
Installation Support (remaining Zones)	June 2018	November 2018
OIT Support (remaining Zones)	June 2018	
Installation and Commissioning Test Support	September 2018	October 2018
Go-Live	November 26, 2018	
As-Built Reviews	January 2019	

Exhibit A – Project Schedule Category B – TDM Transponders	
Major Milestone Description	Projected Date
Notice to Proceed	November 14 ²⁹ , 2016
Project Kick-Off Meeting	November 14 ²⁹ , 2016
Deadline for Equipment Certifications	February 9 ²⁷ , 2017
Documentation	
End-User Instructions	March 2017
Transponder Disposal Documentation	March 2017
Tag Programmer and Handheld Reader Documentation	March 2017
Delivery of Tag Programmers	April 2017
Delivery of Handheld Readers	April 2017
CSC Contractor Training	May 2017
Delivery of First Transponder Order	August 2017

Exhibit A – Project Schedule Category C – Local Transponders	
Major Milestone Description	Projected Date
Notice to Proceed	November 14 ²⁹ , 2016
Project Kick-Off Meeting	November 14 ²⁹ , 2016
Deadline for Equipment Certifications	February 9 ²⁷ , 2017
Documentation	
End-User Instructions	March 2017
Transponder Disposal Documentation	March 2017
Tag Programmer and Handheld Reader Documentation	March 2017
Delivery of Tag Programmers	April 2017
Delivery of Handheld Readers	April 2017
CSC Contractor Training	May 2017
Delivery of First Transponder Order	August 2017

Exhibit B

Payment Schedules

Separate Payment Schedules provided for:

Category A – Readers

Category B – TDM Transponders

Category C – Local Transponders

Exhibit B - Payment Schedule Category A - Readers		
Milestone	% Paid	Cumulative % Paid
Notice to Proceed	5.0%	5.0%
Approved Documentation	2.0%	7.0%
Equipment Certification	10.0%	17.0%
Factory Acceptance Testing	13.0%	30.0%
Triangle Expressway		
RTCS Factory Acceptance Testing	10.0%	40.0%
Installation and Commissioning Testing (2% for each of 9 locations)	18.0%	58.0%
As-Built Reviews	2.0%	60.0%
US-74 Express Lanes		
RTCS Factory Acceptance Testing	10.0%	70.0%
Installation and Commissioning Testing (2% for each of 1 location)	2.0%	72.0%
As-Built Reviews	2.0%	74.0%
Monroe Expressway		
RTCS Factory Acceptance Testing	10.0%	84.0%
Installation and Commissioning Testing (2% for each of 7 locations)	14.0%	98.0%
As-Built Reviews	2.0%	100.0%

Exhibit B - Payment Schedule Category B - TDM Transponders		
Milestone	% Paid	Cumulative % Paid
Notice to Proceed	5.0%	5.0%
Equipment Certification	45.0%	50.0%
Approved Documentation	5.0%	55.0%
Delivery of Transponder Programmers	10.0%	65.0%
Delivery of Handheld Readers	10.0%	75.0%
CSC Contractor Training Approved	25.0%	100.0%

Exhibit B - Payment Schedule Category C - Local Transponders		
Milestone	% Paid	Cumulative % Paid
Notice to Proceed	5.0%	5.0%
Equipment Certification	45.0%	50.0%
Approved Documentation	5.0%	55.0%
Delivery of Transponder Programmers	10.0%	65.0%
Delivery of Handheld Readers	10.0%	75.0%
CSC Contractor Training Approved	25.0%	100.0%

Exhibit C

Price Proposal Instructions

Single Price Proposal Instructions covers all Categories

Exhibit D Forms

Form D-1 Proposal Cover Sheets
Form D-2 RS-2 Form
Form D-3 Recent Client List
Form D-4 Reference Forms Part 1
Form D-5 Reference Forms Part 2
Form D-6 Requirements Conformance Matrix
Form D-7 Price Proposals
Form D-8 Proposer Questions Form
Form D-9 Non-Collusion Forms
Form D-10 Surety Commitment Letters
Form D-11 Acknowledgement of Receipt of Addenda
Form D-12 Requirement Non-Conformance Detail

Form D-I

Proposal Cover Sheets

(Word versions of the Proposal Cover Sheets are “paper clipped” to this file for ease of completion.)

Separate Proposal Cover Sheet provided for:

Category A – Readers

Category B – TDM Transponders

Category C – Local Transponders

**NORTH CAROLINA TURNPIKE AUTHORITY
AVI READERS AND TRANSPONDERS
REQUEST FOR PROPOSALS**

**CATEGORY A – PROVIDE TRI-PROTOCOL READERS,
ASSOCIATED EQUIPMENT AND SERVICES**

EXECUTION: In compliance with this Request for Proposal, and subject to all the conditions herein, the undersigned offers and agrees to furnish any or all Services or goods upon which prices are offered, at the price(s) offered herein, within the time specified herein. By executing this offer, I certify that this offer is submitted competitively and without collusion.

Failure to execute/sign offer prior to submittal shall render Proposal invalid. Late offers are not acceptable.

BIDDER:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINT NAME & TITLE OF PERSON SIGNING:		FAX NUMBER:
AUTHORIZED SIGNATURE:	DATE:	E-MAIL:

Offer valid for two hundred and forty (240) days from Proposal Due Date.

**NORTH CAROLINA TURNPIKE AUTHORITY
AVI READERS AND TRANSPONDERS
REQUEST FOR PROPOSALS**

CATEGORY B – PROVIDE TDM TRANSPONDERS, ACCESSORIES AND SERVICES

EXECUTION: In compliance with this Request for Proposal, and subject to all the conditions herein, the undersigned offers and agrees to furnish any or all Services or goods upon which prices are offered, at the price(s) offered herein, within the time specified herein. By executing this offer, I certify that this offer is submitted competitively and without collusion.

Failure to execute/sign offer prior to submittal shall render Proposal invalid. Late offers are not acceptable.

BIDDER:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINT NAME & TITLE OF PERSON SIGNING:	FAX NUMBER:	
AUTHORIZED SIGNATURE:	DATE:	E-MAIL:

Offer valid for two hundred and forty (240) days from Proposal Due Date.

**NORTH CAROLINA TURNPIKE AUTHORITY
AVI READERS AND TRANSPONDERS
REQUEST FOR PROPOSALS**

CATEGORY C – PROVIDE LOCAL TRANSPONDERS, ACCESSORIES AND SERVICES

EXECUTION: In compliance with this Request for Proposal, and subject to all the conditions herein, the undersigned offers and agrees to furnish any or all Services or goods upon which prices are offered, at the price(s) offered herein, within the time specified herein. By executing this offer, I certify that this offer is submitted competitively and without collusion.

Failure to execute/sign offer prior to submittal shall render Proposal invalid. Late offers are not acceptable.

BIDDER:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINT NAME & TITLE OF PERSON SIGNING:	FAX NUMBER:	
AUTHORIZED SIGNATURE:	DATE:	E-MAIL:

Offer valid for two hundred and forty (240) days from Proposal Due Date.

Form D-2 RS-2 Form

**(A fillable PDF of the RS-2 form is “paper clipped” to
this file for ease of completion.)**

Same RS-2 form to be used for all Categories

Form D-3

Recent Client List

(A Word version of the Recent Client List is “paper clipped” to this file for ease of completion.)

Same Recent Client List form to be used for all Categories

[illegible]

Form D-4

Reference Forms Part I

(Word versions of the Reference Forms Part I are “paper clipped” to this file for ease of completion.)

Separate Reference Forms Part I provided for:

Category A – Readers

Category B – TDM Transponders and Category C – Local Transponders
(same form to be used for Categories B and C)

A) Proposer Minimum Experience for Category A – Readers

Proposer shall use this form to clearly demonstrate how it meets the minimum qualification requirements for Proposals with regard to AVI Readers. Each reference provided may be contacted by NCTA. Copy this form as needed to comply with the requirements outlined in the RFP.

Proposer's Name: _____

Reference Company/Agency Name:		
Address:		
City:	State:	Zip Code:
Phone Number:	Fax Number:	
Agency Project Manager Reference:		
E-mail:		
Alternate Reference*:		
Phone Number:	Fax Number:	
E-mail:		
Alternate Reference Role on Reference Project:		
*Must be completed in addition to the Project Manager reference		
Proposer's role on project and years of participation (mm/dd/yy to mm/dd/yy):		

Project location, scope, cost, start / end dates:
Operational functionality, facility types (AET, ORT, Express Lanes) number of lanes / plazas, transaction volumes, etc.:
Types and quantities of equipment provided by Proposer including protocols supported:
Comparison to NCTA requirements:
Installed System and Operations and Maintenance documented performance, as applicable:

Key Personnel involved and role who are also proposed on NCTA project:

B) Proposer Minimum Experience for Category B – TDM Transponders and Category C – Local Transponders

Proposer shall use this form to clearly demonstrate how it meets the minimum qualification requirements for Proposals with regard to TDM or Local Transponders as applicable. Each reference provided may be contacted by NCTA. Copy this form as needed to comply with the requirements outlined in the RFP.

Proposer's Name: _____

Reference Company/Agency Name:	
Address:	
City:	State: Zip Code:
Phone Number:	Fax Number:
Project Manager Reference:	
E-mail:	
Alternate Reference*:	
Phone Number:	Fax Number:
E-mail:	
Alternate Reference Role on Reference Project:	
*Must be completed in addition to the Project Manager reference	
Proposer's role on project and years of participation (mm/dd/yy to mm/dd/yy):	
Project location, scope, cost, start / end dates:	

Operational functionality, facility types (AET, ORT, Express Lanes) number of lanes / plazas, transaction volumes, etc.:
Types and quantities of Transponders provided (Protocol, Sticker / Hard Case, Declarable, etc.):
Other equipment supplied (Transponder Programmers, Handheld Readers, etc.):
Comparison to NCTA requirements:
Installed System and Operations and Maintenance documented performance, as applicable:

Form D-5

Reference Forms Part 2

(Word versions of the Reference Forms Part 2 are “paper clipped” to this file for ease of completion.)

Separate Reference Forms Part 2 provided for:

Category A – Readers

Category B – TDM Transponders and Category C – Local Transponders
(Same form to be used for Categories B and C)

A) Key Team Member References for Category A – Readers

Category A Proposer shall use this form for Key Personnel Team member references. Each reference provided may be contacted. Copy this form as needed to comply with the requirements of the RFP and the number of references cited.

Key Team Member _____

Proposed Position _____

Reference Company Name:	
Address:	
City:	State: Zip Code:
Phone Number:	Fax Number:
Project Manager:	
E-mail:	
Number of total years' experience of Key Personnel team member in similar role to one proposed for NCTA:	
Reference Project:	
Key Personnel team member role on reference project, including dates of participation and job description:	
Description of reference project location, scope, cost, start / end dates, etc.:	
Operational functionality, number of lanes, plazas, revenue collected, ORT, AET or Express Lane, etc.:	
Relevant equipment used:	
Key Personnel team member's major contributions and highlights:	

B) Key Team Member References for Category B – TDM Transponders and Category C – Local Transponders

Category B and Category C Proposers shall use this form for Key Personnel Team member references. Each reference provided may be contacted. Copy this form as needed to comply with the requirements of the RFP and the number of references cited.

Key Team Member _____

Proposed Position _____

Reference Company Name:	
Address:	
City:	State: Zip Code:
Phone Number:	Fax Number:
Project Manager:	
E-mail:	
Number of total years' experience of Key Personnel team member in similar role to one proposed for NCTA:	
Reference Project:	
Key Personnel team member role on reference project, including dates of participation and job description:	
Description of reference project location, scope, cost, start / end dates, etc.:	
Operational functionality, number of lanes, plazas, revenue collected, ORT, AET or Express Lane, etc.:	
Relevant equipment used:	
Key Personnel team member's major contributions and highlights:	

Form D-6

Requirements Conformance Matrix

Separate Requirement Conformance Matrices provided for:

Category A – Readers

Category B – TDM Transponders

Category C – Local Transponders

Form D-6

Requirements Conformance Matrix

Category A - Readers

(An Excel Version of the Requirements Conformance Matrix Category A – Readers is “paper clipped” to this file for ease of completion.)

Form D-6

Requirements Conformance Matrix

Category B – TDM Transponders

(An Excel Version of the Requirements Conformance Matrix Category B – TDM Transponders is “paper clipped” to this file for ease of completion.)

Form D-6

Requirements Conformance Matrix

Category C – Local Transponders

(An Excel version of the Requirements Conformance Matrix Category C – Local Transponders is “paper clipped” to this file for ease of completion.)

Form D-7 Price Proposals

Separate Price Proposal forms provided for:

Category A – Readers

Category B – TDM Transponders

Category C – Local Transponders

Form D-7 Price Proposal Category A – Readers

(An Excel version of the Price Proposal Category A – Readers is “paper clipped” to this file for ease of completion.)

Form D-7
Price Proposal
Category B – TDM Transponders

(An Excel version of the Price Proposal Category B – TDM Transponders is “paper clipped” to this file for ease of completion.)

Form D-7
Price Proposal
Category C – Local Transponders

(An Excel version of the Price Proposal Category C – Local Transponders is “paper clipped” to this file for ease of completion.)

Form D-8

Proposer Questions Form

(A Word version of the Proposer Questions Form is “paper clipped” to this file for ease of completion.)

Same Proposer Questions form to be used for all Categories

Proposer Questions			North Carolina Turnpike Authority (NCTA)		
#	Page	Section	Section Description	Proposer Question	NCTA Response
1.					
2.					
3.					
4.					

Form D-9

Non-Collusion Forms

(Please complete a single form that is applicable to your firm structure. PDFs of each form are presented below. Fillable PDFs of the form are “paper clipped” to this file for ease of completion.)

Same Non-Collusion forms to be used for all Categories

Form D-I0

Surety Commitment Letters

(Word versions of the Surety Commitment Letters are “paper clipped” to this file for ease of completion.)

Separate Surety Commitment Letter provided for:

Category A – Readers

Category B – TDM Transponders

Category C – Local Transponders

CONSENT OF SURETY**CATEGORY A – READERS**

TO: North Carolina Turnpike Authority

We have reviewed the proposal of _____

(Proposer)

(Address)

for the AVI Readers, for which Proposals will be received on ~~September 28~~October 12, 2016, and wish to advise that should this Proposal of the Proposer be accepted and the Contract awarded to, such Proposer, this company agrees to become the surety and provide the Payment and Performance Bonds required by the Contract for both the Implementation and Maintenance Phases. Such bonds will be in the amounts identified in the Price Proposal as referenced in the RFP Section I, Administrative, Section 4.I Notification of Award with terms of the bonds as also provided in that section.

We are duly authorized to do business in the State of North Carolina.

Surety Company/Address:

(Authorized Signature)

ATTEST:

[Attach Power of Attorney]

(Corporate Seal, if any. If no seal, write "No Seal" across this place and sign.)

CONSENT OF SURETY**CATEGORY B – TDM TRANSPONDERS**

TO: North Carolina Turnpike Authority

We have reviewed the proposal of _____

(Proposer)

(Address)

for the TDM Transponders, for which Proposals will be received on ~~September 28~~ October 12, 2016, and wish to advise that should this Proposal of the Proposer be accepted and the Contract awarded to, such Proposer, this company agrees to become the surety and provide the Payment and Performance Bonds required by the Contract for both the Implementation and Maintenance Phases. Such bonds will be in the amounts identified in the Price Proposal as referenced in the RFP Section I, Administrative, Section 4.I Notification of Award with terms of the bonds as also provided in that section.

We are duly authorized to do business in the State of North Carolina.

Surety Company/Address:

(Authorized Signature)

ATTEST:

[Attach Power of Attorney]

(Corporate Seal, if any. If no seal, write "No Seal" across this place and sign.)

CONSENT OF SURETY**CATEGORY C – LOCAL TRANSPONDERS**

TO: North Carolina Turnpike Authority

We have reviewed the proposal of _____

(Proposer)

(Address)

for the Local Transponders, for which Proposals will be received on ~~September 28~~ October 12, 2016, and wish to advise that should this Proposal of the Proposer be accepted and the Contract awarded to, such Proposer, this company agrees to become the surety and provide the Payment and Performance Bonds required by the Contract for both the Implementation and Maintenance Phases. Such bonds will be in the amounts identified in the Price Proposal as referenced in the RFP Section I, Administrative, Section 4.I Notification of Award with terms of the bonds as also provided in that section.

We are duly authorized to do business in the State of North Carolina.

Surety Company/Address:

(Authorized Signature)

ATTEST:

[Attach Power of Attorney]

(Corporate Seal, if any. If no seal, write "No Seal" across this place and sign.)

Form D-I I

Acknowledgement of Receipt of Addenda

(A Word version of the Acknowledgement of Receipt of Addenda is “paper clipped” to this file for ease of completion.)

Same Acknowledgement of Receipt of Addenda form to be used for all Categories

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA

The Proposer shall acknowledge receipt of each addendum to this Request for Proposal by completing this form and including same in the Technical Proposal.

<u>Addenda</u>	<u>Date</u>	<u>By</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Failure to confirm receipt of addenda may result in rejection of the Proposer's Proposal.

Dated _____, 2016

Legal Name of Firm

By _____
Signature

Title

NOTE: Attach additional pages as necessary

Form D-12

Requirement Non-Conformance Detail

**(A Word version of the Requirement Non-Conformance Detail is “paper clipped”
to this file for ease of completion.)**

Same Requirement Non-Conformance Detail form to be used for all Categories

Section #	Requirement #	Explanation of Non-Conformance